

**ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP  
AUGUST 13, 2009**

**COMMITTEE MEMBERS PRESENT**

Jim Haselton, Committee Chair  
Ed Mandich, Committee Member

**STAFF PRESENT**

Don Chadd, General Manager  
Hector Ruiz, District Engineer  
Sharon E. Smith, Secretary/Treasurer  
Neil McKenna, Water Supervisor  
Kris Hanberg, Wastewater Supervisor  
Bob Beck, Maintenance Supervisor  
Teresa Teichman, Assistant to the General Manager  
Michael Perea, Special Projects Manager

**PUBLIC PRESENT**

No members of the public were present.

**CALL THE MEETING TO ORDER**

Committee Chair Haselton called the August 13, 2009  
Engineering/Operational Committee Meeting to order at 7:07 a.m.

**PUBLIC PARTICIPATION**

Public comments were announced. There were no oral or written comments.

**ORAL COMMUNICATION**

There were no comments.

**COMMITTEE MEMBER COMMENTS**

There were no comments.

**REPORT FROM THE GENERAL MANAGER**

No report was provided.

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**PROJECT MANAGEMENT**

**ITEM NO. 1A) STATUS UPDATE RELATING TO THE BAKER REGIONAL  
WATER TREATMENT FACILITY**

Mr. Hector Ruiz, District Engineer, provided a brief status update. Mr. Ruiz stated that the following items were discussed at the July 9, 2009 Baker Committee Meeting: Baker pipeline flow test results, available Baker pipeline hydraulic capacity, and the Preliminary Design Memorandums (PDMs) received to date. It is anticipated the cost estimates will be received at the end of this month and the project should be going into the final design phase in October, 2009. The next scheduled Baker Committee Meeting will take place on August 13, 2009.

A status update will be provided to the Board of Directors at the August 19, 2009 Regular Board Meeting.

**The Engineering/Operational Committee received the status update. No action taken.**

**ITEM NO. 1B) DISCUSSION RELATING TO ROSE CANYON AND LANG WELLS  
GROUNDWATER TREATMENT FACILITY UPGRADES**

Mr. Ruiz stated that on August 6, 2009 the District received a revised State Revolving Fund Funding Agreement, complete with requirements and conditions to be incorporated prior to its final execution. The packet includes construction cost revisions and an extension on the completion date to August 31, 2010. The schedule of completed tasks along with projected activities was discussed and Mr. Ruiz anticipates the project will be out to bid in October, 2009. There was discussion in regard to some Canyon residents having questions concerning the Wells Groundwater Treatment Facility Upgrade project. Mr. Don Chadd, General Manager, stated there is a meeting scheduled for August 17, 2009 to discuss any concerns.

A status update will be provided to the Board of Directors at the August 19, 2009 Regular Board Meeting.

**The Engineering/Operational Committee received the status update. No action taken.**

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**ITEM NO. 1C)      DISCUSSION RELATING TO THE ORANGE COUNTY FIRE  
AUTHORITY SEWER SYSTEM PROJECT**

Mr. Ruiz stated the Orange County Fire Authority (OCFA) is in the design phase of a program to replace the existing Fire Station 18 (FS18) with a new FS18, which would be located on the same property as the current structure and will connect directly to the County of Orange O'Neill Sewer System. The new FS18 has a projected reduced flow of 700 gallons per day. Draft agreements with the OCFA and the Santa Margarita Water District (SMWD) are currently being reviewed by the District's legal counsel.

A status update will be provided to the Board of Directors at the August 19, 2009 Regular Board Meeting.

**The Engineering/Operational Committee received the status update. No action taken.**

**ITEM NO. 1D)      DISCUSSION RELATING TO CALIFORNIA DROUGHT AND  
WATER CONSERVATION EFFORTS**

Mr. Chadd reported staff is continuing to receive calls reporting water waste within the District.

Staff has performed several home audits in an effort to assist customers with reducing water consumption. The District's Special Project Manager is working on developing methodology for waivers.

District staff attended a water conservation workshop at the City of San Juan Capistrano which focused on re-landscaping with more hardscape and drought tolerant plants along with learning to correctly program home irrigation controllers.

A status update will be provided to the Board of Directors at the August 19, 2009 Regular Board Meeting.

**The Engineering and Operational Committee received the status updates. No action taken.**

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**ITEM NO. 1E) STATUS UPDATE RELATED TO WATER MONITORING**

Mr. Chadd noted the attached spreadsheet is another tool used for monitoring the District's monthly and cumulative water purchases during the 2009-2010 fiscal year. TCWD's water allocation for fiscal year 2009/2010 totals 2,847 acre feet.

As the consumption is driven by weather conditions, the District may not see traditional patterns. This monthly chart will track the District's usage as it pertains to the water allocation this fiscal year.

Water monitoring will be provided at the Committee level on a monthly basis.

**The Engineering/Operational Committee received the status update. No action taken.**

**ITEM NO. 1F) DISCUSSION RELATING TO WATER RELIABILITY AND  
EMERGENCY STORAGE FEE**

Mr. Chadd stated that the Water Reliability and Emergency Storage Fee (WRESF) is being presented as a follow up to the discussion regarding this matter at the recent Budget Workshop. Staff has formalized the WRESF and identified it as a funding mechanism that the District should apply.

Mr. Chadd pointed out that the WRESF is comprised of three projects; the Baker Regional Water Treatment Facility, the Rose Canyon and Lang Wells Groundwater Treatment Facility and the Two Million Gallon Domestic Water Reservoir and water distribution. Discussion occurred identifying other distribution improvement projects within the District. The attachments in the Committee packet are a representation of what each project would cost if the projects are funded by through the stratified meter rate model.

**The Engineering/Operational Committee received the staff report and recommended forwarding it to the Board's Action Calendar.**

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**ITEM NO. 1G)        DISCUSSION RELATING TO POTENTIAL AD VALOREM  
PROPERTY TAX**

Mr. Chadd presented the most current information relating to the potential ad valorem property tax diversion. The District anticipates a diversion by the State of eight percent which equates to an approximate \$96,500 loss. The loss could be collected from customers by applying a stratified meter rate surcharge fee. Staff prepared three scenarios, based on the recovery of the \$96,500 loss, spread over a 12, 24 or 36 month collection period that calculates the monthly fee based on the size of the meter servicing the customer.

**The Engineering/Operational Committee received the staff report and recommended forwarding it to the Board's Action Calendar.**

**ITEM NO. 1H)        STATUS UPDATES REGARDING ON-GOING ENGINEERING  
PROJECTS**

1.    Golf Club Lift Station Upgrades/Rehabilitation

Pumps have been ordered and the manufacturer has provided a loaner pump for our use in the meantime. Southern California Edison has notified TCWD there will be outages next week from 10:00 p.m. until 6:00 a.m., installation of the pumps will be scheduled after the outages occur.

2.    Water Systems Inter Tie Reliability Study

Staff is in the process of coordinating a meeting with staff of the Irvine Ranch Water District to review the inter-ties. Staff has already met with Santa Margarita Water District and plans to have a current summary of all the districts inter ties and capacities at the time of the next Engineering/Operational Committee Meeting.

3.    Emergency Generator, Dimension Water Treatment Plant

Discussion occurred in regard to the current moratorium in place regarding generators and a recent letter sent to the District from the South Coast Air Quality Management District.

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4. Shadow Rock Detention Basin Project

Shadow Rock Detention Basin currently has a temporary pump and generator for the capture and use of dry season water. Analysis of easement requirements are moving forward.

5. T-mobile Trabuco Highlands Reservoir Antenna Installation

District received the final signed drawings. It is anticipated the project will go to bid soon and construction will begin during the fourth quarter.

6. Brookseed/Dove Water Main Inter-Tie/Fire Line

Discussion occurred regarding the overall benefit to the community of this project in regard to fire suppression and greater reliability of water delivery.

7. Other Projects

No other projects were discussed.

**The Engineering/Operational Committee received the status updates. No action taken.**

**ITEM 11) STATUS UPDATES AND POSSIBLE ACTION REGARDING  
ACTIVE DEVELOPMENTS**

1. Oaks at Trabuco

There is no new activity to report.

2. Rancho Las Lomas

There is no new activity to report.

3. Orange County Fire Authority Sewer System

This item was discussed under item 1C

4. Other Active Developments

No other developments were discussed.

**The Committee received the status updates. No action taken.**

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ITEM NO. 1J) WATER SYSTEM STATUS UPDATE

Mr. Neil McKenna, Water Supervisor, provided the July 2009 update.

Source Water Production

1. The water treatment plant production totaled 299 acre feet.
2. The Rose Canyon and Lang Wells produced zero acre feet.
3. The average daily demand for the month of July was 10.3 acre feet, or 5.2 cfs.

Projects and Repairs

1. Water Department personnel have been working on the recycling backwash recovery project.
2. Water Department personnel met with Fire Station #18 personnel in regard to reservoirs and pump stations.

**The Engineering/Operational Committee received the status updates. No action taken.**

ITEM NO. 1k) WASTEWATER SYSTEM STATUS UPDATE

Mr. Kris Hanberg, Wastewater Supervisor, provided the July 2009 status update.

Robinson Ranch Wastewater Treatment Plant

1. The reclaimed water production totaled 62.4 acre feet.
2. The recycled demand was 102 acre feet.
3. Dove Lake had 7.4 feet of freeboard.
4. The reclaimed water reservoir had 6.5 feet of freeboard.
5. The District pumped a total of 26.1 acre feet from Dove Lake.
6. The Dry Season Water Recovery Project produced 14.7 acre feet in July

Projects

1. District personnel removed the Tick Canyon pump and replaced it with Dove Lake pump due to worn and corroded seals.
2. Mr. Hanberg presented the Sewer System Management Plan (SSMP). The SSMP report will be provided each month in order to communicate the work performed on the District sewer system and satellite facilities.

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The Committee received the status updates and staff reports.  
No action taken.

ITEM NO. 1L) May 2009 OPERATIONAL REPORT REVIEW

Mr. Neil McKenna, Water Supervisor, explained the newly retooled monthly Operational Report. No anomalies were reported.

The Engineering/Operational Committee received and filed the report. No action taken.

ITEM NO. 1M) ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

No changes were made to the recap.

The Engineering/Operational Committee recommended that the Board receive and file the June 11, 2009 Engineering/Operational Committee Meeting Recap. (Consent Calendar)

ITEM NO. 1N) OTHER MATTERS/REPORT

Mr. Chadd stated TCWD was invited to a pre-bid job walk earlier in the week to bid for waste water facility maintenance and operation for the County of Orange facilities at Joplin Youth Center and Los Pinos. Our current contract for services expires in October, 2009.

ADJOURNMENT

Committee Chair Haselton adjourned the August 13, 2009 Engineering/Operational Committee Meeting at 8:11 a.m.